

(DC-2700/65)

Machinery Used in the Cultivation of Sugar Beets,
by N. Zamotorin, 9 pp.

RUSSIAN, per, Tekh v Sel'skom Khoz, Vol XX, No 12,
1960, pp 18-24.

JPRS 8675

USSR

Econ

Aug 61

16 2, 3 21

Solubility of Copper and Magnesium in Aluminium
in the Solid State in Different Temperatures,
by M. I. Zamotrin.

RUSSIAN, per, Trudy Leningrad Politekh Inst,
No 180, 1955, pp 32-37.

NLL M.4354

Sci -Min/Met, Chem

Apr 62

193,812

Joint Solubility of Magnesium and Zinc in
Aluminum in the Solid State, by M. I.
Zamotin.

RUSSIAN, per, Trudy Leningrad Politekh Inst,
No 180, 1955, pp 38-43.

ILL M.4352

Sci - Min/Met Engr
Apr 62

193, 814

Similarity Symmetric and Antisymmetric Groups,
by Ye. I. Galyarskiy, A. M. Zamotzayev, 6 pp.

RUSSIAN, per, Kristallografiya, Vol VIII, No 5,
1963, pp 691-698.

Amer Inst of Phys
Sov Phys - Crystal
Vol VIII, No 5

Sci

Apr 64

253,962

The Effectiveness of a New Blood Culture
Method, by E. A. Zamoyskiy

RUSSIAN, no per, Voyenno Med Zhur, No 11,
Moscow, Nov 1959, pp 46-50

US JPRS 2183-N

Sci

Jan 60

107,168

An Evaluation of the Reed Muench Method of Determining
the Activity of Biological Preparations, by E. A.
Zamoyskiy, 13 pp.

RUSSIAN, no per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXVII, No 1, Moscow, Jan 1956, pp 77-83.

CIA/PDD U-8229

34,712

USSR

Sci - Medicine, pharmacology SLA R-156/57

**B APPARATUS FOR DETERMINING THE NUMBER OF
NON MICROBES IN THE AIR, BY ADOLF ZAPFACH,
5 PP.**

CZECH, PATENT NO 93066, 3 PP.

JPRS 16407

SCI - ENGR

DEC 62

218,091

About the Renal Clearance of Radiohypaque 1131,
by C. Bianchi, A Zampieri, 4 pp.

ITALIAN, per, Societa Italiana di Biologia Sperimentale
Bollettino, Vol XXXVII, No 6, 1961, pp 260-262.

NIH 11-30-61

Sci - Med

179, 345

Jan 62

Clinical Evaluation of a New Diuretic:
Hydrochlorothiazide, by A. Bigalli, M. Della Santa,
A. Zampieri, 15 p.

ITALIAN, per, Minerva Medica, 1959, Vol L, NO 42,
pp 1616-1620.

SLA 59-17483

Sci
Jan 60
Vol 2, No 9

106,014

Leukemic Pulmonary Manifestations, by
O. Zampori, et al. 75
FRENCH, per, La Presse Medicale,
Vol LXVI, No 75, 1958, pp 1683-1688.
NIN 11-30-64

Sci-38N
Jul 65

O. Zampori

286,131

A Comparative Study of the Vi-Antigen of Some
Enterobacteriaceae, by A. N. Zamukhovskaya, 4 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXIX, No 3, 1958, pp 88-91.

Pergamon Inst

Sci - Med
Feb 59

80,129

Influence of Electrode Structure and Crystallographic Properties on the Electro-Chemical Reduction of Pyruvic Acid, by V. N. Nikulin, P. V. Zamuragin, 3 pp.

RUSSIAN, per, Zhur, Fiz Khim, Vol XXXIV, No 2, 1961, pp 287-293.

Cleaver-Hume Press

Sci

Jan 62

181,013

71

One Method of Determining the Criterion of Operational Stability of a Liquid-Propellant Rocket Engine
by G. I. Zamiatinov, 25 pp.

Russian, per, Moskovskoye Vysshaye Tekhnicheskoye
Ucheniye imeni N. E. Bauman, Mekhanika, No 92,
1959, pp 66-84. 9687657

FTD-TT-63-491

Sci-Engr
Eov 63

241, 297

2
The "Amar" Glider, by V. Zakhvatin, V. Spirak, II pt.
RUSSIAN, per, Korya Rodny, No 9, 1962, pp 17-19.
969203H
FTD-TT-63-1147

RUSSE
MII
Apr 64

253,423

On Peripheral Reflexes, by O. M. Zamiatina, 9 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M.
Sechenova, Vol XLV, No 9, 1959, pp 1092-1101.

Pergamon Press

Sci

Jun 60

117,930

Effect of Afferent Impulses From Visceral Receptors
on the Electrical Activity of Thalamic Nuclei, by
V. E. Delov, N. A. Adamovich, O. N. Zamyatina, 8 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol XLV, No 8, 1959, pp 916-923.

Pergamon Press

Sci

Apr 60

114, 978

Electrophysiological Investigation of the Afferent impulsion in intestinal Nerves, by O. N. Zamyatina, 8 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova, Vol XLIII, No 5, 1957 pp 412-441.

Pergamon Institute

Sci - Med

May 58

63,634

Polymeric Compounds of Boron, by V. A. Zamyatina,
N. I. Bekasova, 6 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXX, No 1, 1961, pp 48-59.

Cleaver-Hume Press

Sci

178, 967

Dec 61

Heterochain Polyesters. Communication 11.
Chemical Degradation of Polyethylene
Terephthalate, by V. V. Korzhak, H. I.
Bekasova, V. A. Zamyatina, 4 p/.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1958, pp 614-617.

Consultants Bureau

Sci - Chem

Apr 60

112,273

Heterochain Polyesters. Communication 9.
Polyesterification Catalysts, by V. V. Kornhak,
V. A. Zamyatina, N. I. Bekasova, 4 pp.

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1958, pp 482-485.

Consultants Bureau

Sci - Chem

Apr 60

112,289

Heterochain Polyesters. Communication 10. Kinetics
of the Polycondensation of Bis-2-hydroxyethyl
Terephthalate, by V. V. Korshak, N. I. Bekasova, V.
A. Zamyatina, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1958, pp 486-491.

Consultants Bureau

Sci - Chem

112,290

The Copolymerization of B-Substituted
Borazoles With Hexamethylene Diisocyanate,
by V. V. Korshak, V. A. Zamyatina, 7 pp.

RUSSIAN; per, Vysokomolekulyarnyye
Soyedineniya, Vol III, No 4, 1961,
pp 525-529. 9676329

FTD-TT-62-25

Sci - Chem

4 May 62

194, 131

Studies in the Field of the Polycondensation
Reaction, Pt. 6. Acidolysis and Aminolysis of
Polyamides, by V. V. Korshak, V. A. Zhuravina,
8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Khim Nauk.
No 6, 1945, pp 609-616.

Assoc Tech Dir
SAROV

Sci - Chem
Apr 59
OTS I, No 5

85, 9/6

The Phosphate Level of the Soil, by E. P. Karpinskiy,
V. B. Zaryatina, 11 pp.

RUSSIAN, par, Pochvovedeniye, No 11, 1958, pp 27-39.

AMES

Sci -
Jan 61

137,208

The Determination of the Sum of Rare-Earth Elements, Manganese, Nickel, Copper, Antimony, Arsenic, Molybdenum, Cadmium and Gold in Lithium Compounds by the Radioactivation Method, by V. R. Hegina, V. N. Zaryatina, et al, 5 pp.

RUSSIAN, per, Radiokhimiya, Vol III, No 4, 1961, pp 473-477.

ANC-tr-4580
FL-480

Sel
June 64

261,595

Peculiarities in the Synthesis of Serum
Albumin in Chicks During Acute Radiation
Sickness, by O. G. Zamyatkina, 8 pp.

RUSSIAN, per, Radiobiologiya, Vol III, No 4,
1963. 9222264

AEC-Tr-5437

Sci
May 64

260,025

(2235-W)

The Effect of General Irradiation by X-rays on the
Restoration of Serum Proteins in Dogs After
Hemorrhage, by V. M. Rodionov, V. D. Gupenskaya,
O. G. Zamyatkina, T. Grunt, and V. P. Polyakov, 18 pp.

RUSSIAN, per, Voprosy Med Khim, Vol IV, No 5, 1958,
pp 327-338.

JPRS L-690-N

Sci - Med, Radiobiology
Mar 59

83 481
23 181

9
A New System of Fisherman Wages, by
L. Zamyatin,
RUSSIAN, per, Rybnoe Khoz, Vol XL, No 8, 1964,
pp 93-94.
Dept of Interior
Fish and Wildlife Service
BCF, Bureau of Foreign Fisheries

L. Zamyatin
USSR
Econ
Jul 67

332,904

ZAMYATIN M.M.

Doklady Akademii Nauk sssr, vol. 68, 1949, No. 3,
pp. 545-548; 14 figures, 1400 words.

Rates of Processes in Case Hardening and Metallic
impregnation of Steel.

Brutcher Trans, Order No. 2501, \$2.45

A 13341

ZAMYATNIN, M. M.

Influence of Size and Shape of Parts or Test Specimens upon
Case Depth and Case Composition in Case Hardening and
Metallic Impregnation of Steel.

DOKLADY AKADEMII NAUK SSSR, vol 68, 1949, No 4,
pp 725-8; 1800 words.

Brutcher No 2507, \$ 3.35

A13342

Fragment Yield in the Fission of U^{233} and Pu^{239} by Fast Neutrons, by E.K. Bonyushkan, Yu. S. Zamyatnin, V.V. Spektor, 4 pp.

RUSSIAN, per, Atom Energ, Vol X, No 1, 1961, pp 13 - 18

CB

191,753

Sci
Apr 62

Fission Product Yields From the Fission of U^{235}
and U^{238} With Fast Neutrons, by E. K. Bonyushkin,
Yu. S. Zamyatnin, I. S. Kirin, 13 pp.

RUSSIAN, bk, Vychody Oskolkov Deleniya U^{235} i
 U^{238} Bystryimi Neitronami, 1960. 9093911.

AEC Tr-4682

Sci - Nuc Phys
Nov 61

177, 282

Spectra of Neutrons Produced by 14-Mev Neutrons
in Fissile Materials, by Yu. S. Zamyatkin, I. M.
Gafina, E. K. Gutsnikova, and N. I. Ivanova, 8 pp.

RUSSIAN, per, Atom Energ, Vol IV, No 4, 1958, pp 337-
342.

Consultants Bureau

Sci - Nuclear Phys
Apr 59

86,122

Quantitative Determination of Traces of Barium,
Nickel, Copper, Antimony, Molybdenum, Manganese,
Cadmium, Tin, Gold, and Arsenic in Metallic
Beryllium by a Radioactivation Method, by
V. R. Negina, V. N. Zamyatnina, 4 pp.

RUSSIAN, per Zhur Anal Khim, Vol XVI, No 2,
1961, pp 209-212.

GB

200,763

Sci
Apr 62

The Influence of Resection of Two-Thirds of
the Stomach Upon the Resorption of Sodium
Phosphate (p^{32}) From the Digestive Tract and
Its Utilization in the Animal Body, by
K. S. Zamyckina, 4 pp.

RUSSIAN, per, Byul Eksper Biol i Med,
Vol LI, No 5, 1961, pp 48-52.

CB

Sci

195,102

May 62

Application of the Isotope Method to Study
Absorption From the Alimentary Tract, by
D. E. Grodzenskiy, K. S. Zamyckina. 27 pp.
RUSSIAN, per, Meditsinskaya Radiologiya, Vol 8,
No 1, 1963, pp 71-76.
SLA TT-64-19265

K. S. Zamyckina

Sci/BGM
Jul 66

105,969

Absorption of Casein Labeled With γ^{131} and
Methionin Labeled With S^{35} From the Digestive
Tract at Various Intervals After Resection
of Two-Thirds of the Stomach, by
K. Z. Zamyatkina, L. V. Kryukova, 5 pp.

RUSSIAN, per, Byul Eksp Biol i Med, Vol LX,
NO 4, 1961, pp 43-47.

CB

Sci

200,484

Jun 62

19
The Infrared Absorption Spectra of Gonypol
Derivatives, by A. M. Zamyatlyanova, S. S. Krivich,
11 pp.
RUSSIAN, per, Zhur Obshch Khim, Vol VIII, No 4,
1938, pp 529-539.
OTS 64-11878
PL-490

Sci - Chem
Jan 65

271,050

(SF-1178)

Clinical Observations on the Effect of Reserpine on
the Coronary Circulation of Hypertension Patients, by
K. N. Zamyslova, V. Ya. Yurazh, 9 pp.

RUSSIAN, per, Klin Med, Vol XXXVIII, No 9, 1960,
pp 90-95.

JPRS 4313

Sci - Med

137,800

Jan 61

Infrared Absorption Spectra of Gossypol Derivatives,
by A. M. Zamyshlyayeva, S. S. Krivich, 11 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, No 4, 1938,
pp 319-329.

*PL-480

PST-1058

OTS 64-11078

Sci
Mar 64

Intensities
Measurements of the Absolute Number of Neutron
Sources, by Yu. S. Zamyatin, 6 pp. V.M. Bezotcsny
RUSSIAN, per, Atomnaya Energiya, Vol II, NO 3, 4
1957, pp. 313-318.

Consultants Bureau

Sci - Nuc Phys

Jun 58

65,024

Spectra of Secondary Neutrons Produced by
Neutrons Passing Through Various Substances, by
Iu. S. Zamiatnin, E. K. Gutnikova, N. I. Ivanova,
I. N. Safina, 3 pp.

RUSSIAN, per, Atomnaya Energiya, Vol III, No 12,
1957, pp 540-541.

Consultants Bureau

Sci - Physics

Oct 58

74, 481

Measurements of Neutron Spectra for Energies
Below 0.5 Mev by a Time-of-Flight Method, by
Yu. A. Vasil'ev, Iu. S. Zamiatnin, P. V.
Toropov, E. F. Fomushkin, 4 pp.

RUSSIAN, par, Atomnaya Energiya, Vol III, No 12,
1957, pp 542-543.

Consultants Bureau

Sci - Physics

Oct 58

74, 482

Examination of Basic Slag Crystals, by
Troemel, Zaminer. UNCL

GERMAN, per, Arch Eisenhuettenwesen, Apr
1959, pp 205-209.

BISI 1356
(13.10.0)

Sci - Min/Met
Oct 59

98,626

Measurements of the Spectra and Average number
Neutrons Emitted in the Fission of U^{235} and U^{238}
Induced by 14.3-Mev Neutrons, by Yu.A. Vasilyev,
Yu.S. Zamyatin, Yu.I. Il'in, E.I. Sirotinin, P.V.
Toropov, E.F. Fomushkin, 10pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXXVIII, No 3, 1960, pp 671-684.

AIP
Sov Phys - JETP
Vol XI, No 3

Sci
Nov 60

132,899

Determination of the Intensity of Short Fast-
Neutron Pulses, by V.M. Gorbachev, Yu. S. Za-
myatnin, 6 pp.

RUSSIAN, per, Atomnaya Energiya, Vol III,
No 7, 1957, pp. 101-105.

8
Consultants Bureau

Sci-Nuc Phys

Jun 58

65,066

Data Concerning Absorptive Properties of the
Gall-Bladder, by K. S. Zamyckina, 4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol. —
XLVI, No 9, 1958, pp 9-11.

Consultants Bureau

Sci - Med

Jun 59

90,102

Effect of Sodium Salicylate on the Digestive Organs,
by K. S. ~~Zarychkins~~, E. A. Rudik-Gnutova and M. S.
Martsevich, 5 pp.

RUSSIAN, no per, Biol Eksper Biol i Med, Vol XII,
No 11, 1956, pp 19-22.

Consultants Bureau

Sci - Med

59,592

Mar 58

Absorption of Radioactive Iron, and Its Assimilation
by Erythrocytes in Anemia Caused by Partial Denervation
of the Stomach, by K. S. Zamyatina and R. A.
Durnin, 5 pp.

RUSSIAN, per, Byul Ekaper Biol i Med, Vol XLV,
No 3, 1958, pp 51-55

Consultants Bureau

Sci - Med

Nov 58

76,940

Infrared Absorption Spectra of Gossypol Derivatives,
by A. M. Zamyshlyeva, S. S. Krivich.

RUSSIAN, per, No 8, 1938, pp 319-329.

*OTS 64-11078
PL-480

Sci
Feb 64

A Continuously Operating Apparatus for the
Extraction of Caffeine and Morphine from
Plant Material. Pt. 1. Extraction, Equilibrium
Data, and Investigation Mass Transfer on
Models of Disk and Screw Type Diffusers,
by A. H. Flyashchevich, H. D. Zamyshlyeva.
RUSSIAN, per, Meditsinskaya Problematika
Sov. Med. Sci. Ser. B, No 12, 1964, pp 22-26.
AMS-9688n

M.D. Zamyshlyeva

Sci-B&M
June 66

303,851

Varnish Flaws ("Bittiness") in Alkyd Enamels,
by I. A. Popova, R. D. ~~82~~ Zamyslov, 4 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XXXI, No 4,
1958, pp 652-654.

Consultants Bureau

Sci - Chem

Jun 59

88,278

Portable Laboratory Kit for Water Testing Under Field
Conditions, by S. M. Drachev, and S. D. Zamylova.

Full translation.

RUSSIAN, per, Cig 1 San, USSR, 1950, No 7, pp 45-48.

Scientific - Medicine

Sci - Chemistry

AEC Tr 1311

A1825

see of Res Lys Lm T63R
CIA 822026

(DC-5583).

Anniversary of the Establishment of a Kurdistan
Republic in Mahabad, by Prof Zana,

ARABIC, np, Khehbat, 23 Jan 1961, pp 1-4.

*JPRS

NE/A - Iraq

Pol

17 Mar 61

16-700000

Phase Establishment Processes in Nonauto-
nomous Oscillations with Small Excitation,
by P. N. Zanadvorov, 10 pp.

RUSSIAN, per, Radiotekh, Vol XVIII, No 4,
1963.

IEEE

Sci

Jan 684

245, 760

On the Effect of a Periodic Signal of Complex
Shape on an Oscillator, by E. M. Gyunninen,
P. N. Zanadvorov, et al, 6 pp.

RUSSIAN, per, Radiotekh, Vol XVI, No 11, 1961.

[Handwritten signature]
AIEE

Sci
13 Jul 62

202,528

(NY-4341)

Entrainment of Frequency in a Self-Oscillator, by
A. M. Shauman, P. N. Zasadvorov, 19 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO SSSR,
Ser Radiofiz, Vol II, No 2, 1959, pp 267-276.

JPRS 5153

Sci

Aug 60

124,146

On the Synchronization of Oscillators by
Periodic Pulse Trains, by P. N.
Zanadvorov, 16 pp.

RUSSIAN, per, Radiotekh i Electron, Vol III,
No 2, 1958, pp 202-213.

Pergamon Press

Sci - Electron

Sept 59

96,808

Investigation of the Effectiveness of Short Turbine
Vanes, by M. K. Maksutova, V. N. Zansdvorova,
12 pp.

RUSSIAN, Fer, Teploenergetika, 1958, Vol V, No 1,
pp 31-33.

SLA 59-10923

Sci
Nov 59
Vol 2, No 3

100,934

Some Considerations in Connection with
Chlorosis in Vine Plants, by D. Zanardi.
ITALIAN, per Notiz. Mal. Pianta No. 62/3
1962,
CSIRO/No. 7633

D. ZANARDI

Sci -
Aug 67

337-541

RELIGION AND DEVELOPMENT, BY MARIO ZAMARIN, 10 PP.
GOVERNMENT USE ONLY

SPANISH, PER, MESSAGE, NO 123, 1963, PP 645-651.

PRS Q10 25 200

LA-CHILE
SOC
NOV 63

842,564

Comparative Study of the Salidiuretic Action
of Hydrochlorothiazide and Chlorothiazide, by
C. Bartorelli, M. Gargano, A. Zanchetti, 17 pp.

GERMAN, per, Schweizerische Medizinische Wochen-
schrift, Vol LXXXIX, No 12, 1959, pp 331-334.

SLA 59-15687

Sci - Med
Dec 59
Vol 2, No 4

102,857

Electroencephalographic Aspects of the
Convulsive Hyperoxic Syndrome. (2)
Pyramidal and Extrapyramidal Mechanisms of
Hyperoxic Convulsions, by C. Batini,
M. Parma, Ricci, G. F., A. Zanchetti,
18 pp.

ITALIAN, *per Archivio di Fisiologia, Vol 211, 1953,*
pp 346-349; 342-349. 31,898

Navy Tr 1280/ONI A-660

Sci - Electricity, Medicine

2-253
2-254

The Use of Hydrazine in Feed Water for High
Pressure Boilers, by C. Zanchi, 11 pp.

ITALIAN, per, Il Calore, No 6, 1954,
pp 264-270.

25,760

CIA/FDD/Z-155

Scientific - Chemistry

Aug 55 CTS/DEX

Possibilities of Mathematical Calculation of the
Flow Process in Regular Sections, by R. Zand.
UECL

GERMAN, per, Metallurgie und Giessereitechnik,
Vol IV, No 7, 1954, pp 295-.

British Iron and Steel Ind
(no number given)

Sci - Math
Sep 55

98, 443

Pneumocystis Findings Outside the Lung in
Interstitial Plasma-Cell Pneumonia of Sucklings
and Premature Births, by E. Zandanelli, 14 pp.

GERMAN, per, Zentralbl fuer Allg Path u Path
Anat, Vol XCII, Jun 1954, pp 74-80.

NIH

Scientific - Medicine
CTS 70/Jul 55

25,479

SLA 57-182/57

On the Problem of Secondary Electron Emission as a
Result of the Action of Negative Ions, by V. H.
Dukel'sky, E. Y. Zandberg, 13 pp.

RUSSIAN, per, Zhur Eksptl i Teort Fiz, Vol XIX,
No 8, 1949, pp 731-738.

SLA R-1112

Sci - ~~RUSSIAN~~ Nuclear Physics
Jen 58

58,197

Overcharging of Negative Ions Na^+ , K^+ , O^- , OH^- , and O_2^- With Molecules of Oxygen, by V. M. Dukelskiy, E. Y. Zandberg, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LXXXII, 1952, pp 33-36.

AEC Tr 1707

Scientific - Chemistry

CTS/DEX

7304

Ionization of Gases and Their Breakdown Strength,
by B. M. Gokhberg, B. Ya. Zandberg.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIII, No 6,
1946, pp 515-518.

NLL M. 3575

Sci - Phys

Jul 62

207,795

Surface Ionization, by E. Ya. Zandberg, I. N.
Tonov, 27 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVII, No 4,
1959, pp 561-6

AIP
Sov Phys-Uspekhi
Vol II (67), No 2
KATIC

Sci

132,147

Nov 60

Surface Ionization of Potassium Atoms and KCl and
CsCl Molecules on Tungsten Filaments in Electric
Fields up to 2 Mv/cm, by E. Ya. Zandberg, 11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 11, 1957,
pp 2583-2594.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 11

Sci - Physics
Jul 58

66,310

Energy Thresholds for the Break-Up of Heavy
Negative Ions in Collisions With Helium Atoms, by
V. M. Dukel'skiy, E. Ya. Zandberg, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXIV,
1953, pp 339-341.

26, 867
~~867~~

ABC Tr 2209
Assoc Tech Sv Tr 57G6R

Scientific - Nuclear Physics Sep 55 CTS

DUKEL'SKIY, V. M.
ZANDBERG, E. Ya.
~~IONOV~~, N. I.

Negative Ions of Alkali Metals in Gaseous Discharges
in the Vapor of Alkali Halides.

RUSSIAN, Dok Ak Nauk SSSR, Vol LXII, 1988, pp 323 - 324.

AEC Tr 523

17-1724

Sci/Physics

C

Investigation of the Disruptive Strength of Gases, by
B. M. Gokhberg, E. Ya. Zandberg.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XII, No 2/3, 1942.

AEC Tr 355

Feb cts

pp 65-70

A3307

(FDD 20541)

Disintegration of Negative Ions by Collisions
With Atoms, by V. M. Dukel'skiy, W. Ya. Zandberg,
27 pp. E

Full translation.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXI,
No 11, Leningrad, Nov 1951, pp 1270-1283.

CIA D 151357

CIA/FDD/U-5816

USSR

Sci - Physics, cross-section of
electron formation

Air Res & Dev Command

18, 195

Influence of the Electric Field on the Temperature Threshold for the Appearance of Positive Ions in Surface Ionization, by E. Ya. Zandberg, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV, No 6, 1960, pp 629-634.

CTT

Soi
Aug 61

163,880

Determination of the Thermal Emission Constants from
the Energy Distribution Curves for Thermoelectrons
and Positive Ions, by E. Ya. Zandberg, N. I. Ionov,

RUSSION, per, Zhur Tekh Fiz, Vol XXXII, No 4, 1962,
pp 503-.

Amer Inst Phys
Sov Phys - ~~XXI~~ Tech Phys
Vol VII, No 4

Sci

Oct 62

214,905

The Surface Ionization of Lithium Atoms on
Polycrystalline Tungsten in Electrical Fields
up to $1.3 \cdot 10^6$ v/cm., by E. Ya. Zandberg,
N. I. Yonov, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 11,
1958, pp 2444-2454.

Amer Inst of Phys
Sov Phys. - Tech Phys
Vol III, No 11

Sci - Phys
Jul 59

90,760

Threshold Temperature for Surface Ionization on
Tungsten as a Function of the Cesium Vapor Pressure,
by E. Ya. Zandberg, V. I. Paleyev, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXII, No 2,
1962, pp 208-213.

AIP
Sov Phys - Tech Phys
Vol VII, No 2

Sci

Oct 62

213,369

THE EMISSION OF POSITIVE MOLECULAR IONS FROM
HEATED SURFACES IN VACUO, BY E. YA. ZANDBERG,
N. I. IONOV, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI,
NO 1, 1961, PP 139-142.

CB

SCI - PHYS CHEM

SEP 62

209,620

The Surface Ionization of NaCl and LiCl Molecules
on Tungsten in Electrical Fields up to $1.3 \cdot 10^6$
v/cm., by E. Ya. Zandberg, 10 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 11,
1958, pp 2434-2443.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 11

Sci - Phys
Jul 59

90,759

Effect of an Electric Field on the Temperature
Threshold for Positive Ion Production in Surface
Ionization of Atoms, by E. Ya. Zandberg, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 2, 1960,
pp 206-215.

AIP
Sov Phys - Tech Phys
Vol V, No 2

Sci

127,633

ZANDBERG, E. Ya.

Negative Ions of Rubidium and Cesium,
Russian, Dok Ak Nauk SSSR, Vol LXVIII, 1949.

AEC Tr 240

Jan ets 1951
2/50T103

A13343

Zandberg, Ye. Ya.

COMPARATIVE STUDY OF THE INTERACTION OF POSITIVE AND NEGATIVE IONS OF THE SAME KIND AND OF EQUAL ENERGY WITH METALLIC TARGETS. [1960] [23]p. 19 refs.

Order from LC or SLA mi\$2.70, ph\$4.80 61-15123

Trans. of Zhurnal Tekhnicheskoy Fiziki (USSR) 1955, v. 25, p. 1386-1398.

The secondary emission of nondegassed and degassed but not atomically clean targets of platinum and tungsten was investigated by the method of volt-ampere characteristics of the current in the target circuit as a function of the collector voltage. The targets were bombarded with like positive or negative ions of various elements. The energy was varied between 300 and 1250 ev. The secondary electron emission of nondegassed targets caused by negative ions is considerably more intense than that caused by positive ions. The coefficients gamma of secondary emission of degassed, but not (Physics--Electronics, TT, v. 5, no. 11) (over)

61-15123

1. Metals--Bombardment
2. Ion bombardment--Analysis
3. Secondary emission--Analysis
1. Zandberg, Ye. Ya.

Office of Technical Services

The Emission of Positive Molecular Ions From
Heated Surfaces in a Vacuum, by
E. Ya. Zandberg, M. I. Ionov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 1, 1961, pp 139-142. 9676757

FTD-TT-62-297

Sci - Phys

28 May 62

198,259

The Surface Ionization of Indium and Thallium Atoms
on Polycrystalline Tungsten in Electrical Fields of
Up to $2 \cdot 10^6$ v/cm, by Ye. Ya. Zandberg, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 10,
1960, pp 1215-1221.

AIP
Sov Phys-Tech Phys
Vol V, No 10

Sci

Apr 61

149,580

Particle Shape and Particle Size of Dry and Wet-
Slaked Hydrates of Lime, by H. V. Zander.

GERMAN, per, Zement-Kalk-Gip, Vol XI, No 2, 1958,
pp 41-45.

C.S.I.R.O.

Sci

May 60

115,763